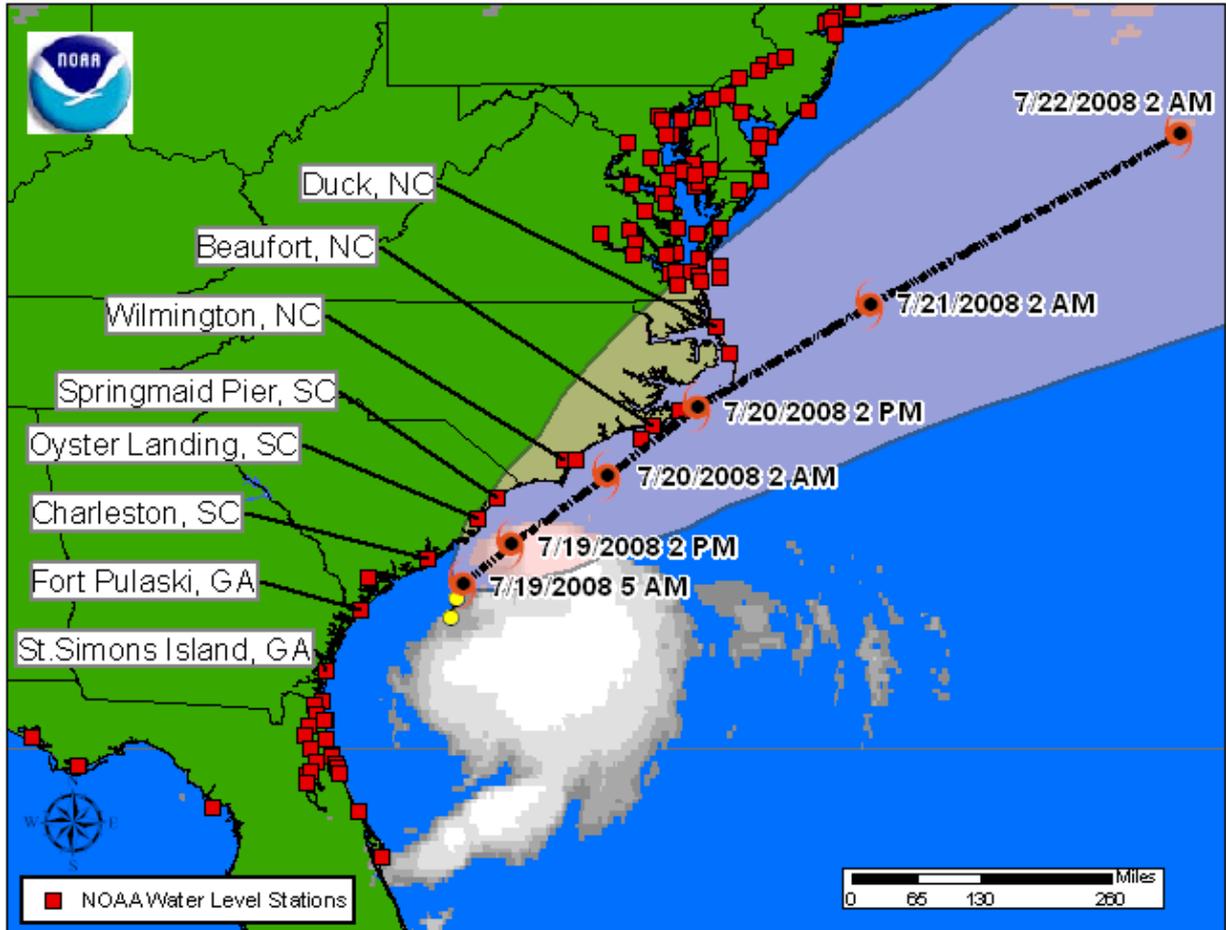




Tropical Depression THREE QuickLook
Posted: 06:00 EDT 07/19/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/19/2008 06:00 EDT, water levels from Georgia to North Carolina remain at or slightly above predicted. Barometric pressure is beginning to fall.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

St. Simons, GA: Next predicted high tide is 6.10 ft (1.86 m) on 07/19/2008 at 09:39 EDT.

Fort Pulaski, GA: Next predicted high tide is 6.40 ft (1.95 m) on 07/19/2008 at 09:25 EDT.

Charleston, SC: Next predicted high tide is 4.70 ft (1.43 m) on 07/19/2008 at 09:15 EDT.

Oyster Landing, SC: Next predicted high tide is 4.24 ft (1.29 m) on 07/19/2008 at 09:51 EDT.

Springmaid Pier, SC: Next predicted high tide is 4.50 ft (1.37 m) on 07/19/2008 at 08:42 EDT.

Wilmington, NC: Next predicted high tide is 3.60 ft (1.10 m) on 07/19/2008 at 09:03 EDT.

Beaufort, NC: Next predicted high tide is 2.70 ft (0.82 m) on 07/19/2008 at 09:24 EDT.

Duck, NC: Next predicted high tide is 3.00 ft (0.91 m) on 07/19/2008 at 08:56 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION THREE ADVISORY NUMBER 2

...TROPICAL DEPRESSION STILL POORLY ORGANIZED....

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM SOUTH SANTEE RIVER SOUTH CAROLINA TO NORTH CAROLINA/VIRGINIA BORDER...INCLUDING PAMLICO SOUND. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WATCH REMAINS IN EFFECT FROM NORTH OF EDISTO BEACH SOUTH CAROLINA TO SOUTH SANTEE RIVER. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 AM EDT THE CENTER OF TROPICAL DEPRESSION THREE WAS LOCATED NEAR LATITUDE 32.4 NORTH...LONGITUDE 79.4 WEST OR ABOUT 45 MILES... 70 KM...SOUTHEAST OF CHARLESTON SOUTH CAROLINA AND ABOUT 295 MILES...475 KM...SOUTHWEST OF CAPE HATTERAS NORTH CAROLINA.

THE DEPRESSION IS MOVING TOWARD THE NORTHEAST NEAR 5 MPH...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT TWO DAYS...KEEPING THE CENTER OF THE DEPRESSION VERY CLOSE TO THE COASTS OF SOUTH AND NORTH CAROLINA.

MAXIMUM SUSTAINED WINDS ARE NEAR 30 MPH...45 KM/HR...WITH HIGHER GUSTS. SOME STRENGTHENING IS POSSIBLE AND THE DEPRESSION COULD

BECOME A TROPICAL STORM LATER TODAY.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1009 MB...29.80 INCHES.

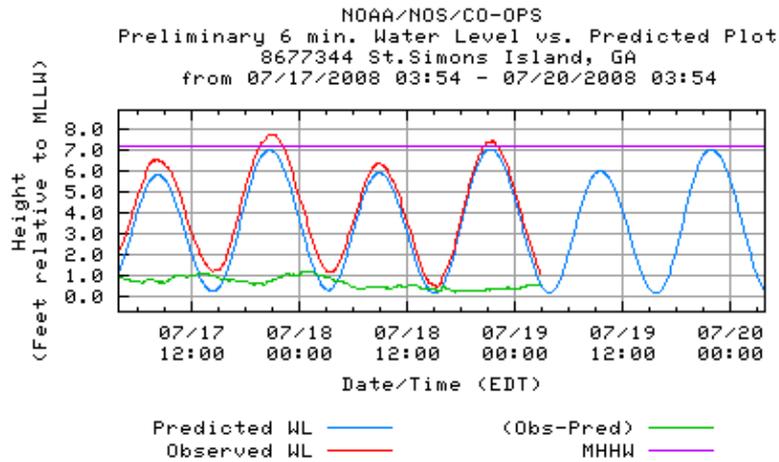
RAINFALL AMOUNTS OF 2-4 INCHES ARE EXPECTED ALONG THE IMMEDIATE COASTAL SECTIONS OF THE CAROLINAS.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

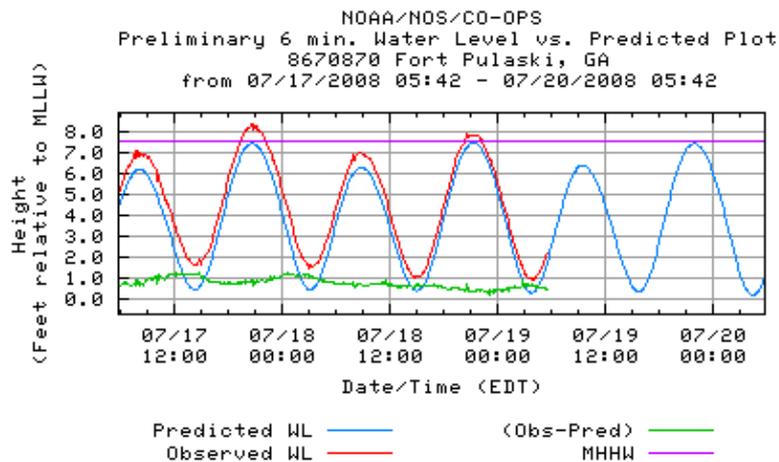
Jump to: [St.Simons Island - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Air/Water Temp](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Oyster Landing \(North Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Air/Water Temp](#), [Springmaid Pier - Barometric](#), [Wilmington - Water Level](#), [Beaufort - Water Level](#), [Duck - Water Level](#), [Duck - Air/Water Temp](#), [Duck - Winds](#), [Duck - Barometric](#),

St.Simons Island, GA - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 02:54 (EDT)
 Relative to **MLLW**: **Observed: 1.14 ft. Predicted: 0.62 ft. Residual: 0.52 ft.**
 Historical Maximum Water Level: 07/22/2001, 2.41 ft. above **MHHW**

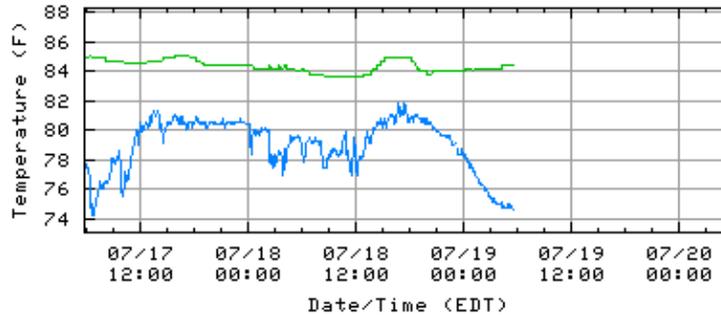
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 05:24 (EDT)
 Relative to **MLLW**: **Observed: 2.18 ft. Predicted: 1.70 ft. Residual: 0.48 ft.**
 Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

Fort Pulaski, GA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8670870 Fort Pulaski, GA
from 07/17/2008 05:42 - 07/20/2008 05:42



water temp. — air temp —

Last Observed Sample: 07/19/2008 05:24 (EDT)

Water Temperature: 84.4° F Air Temperature: 74.7° F

Fort Pulaski, GA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8670870 Fort Pulaski, GA
from 07/17/2008 05:42 - 07/20/2008 05:42

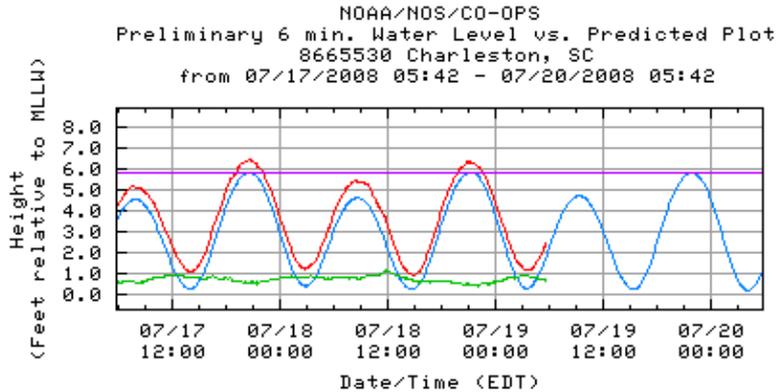


barometric pressure —

Last Observed Sample: 07/19/2008 05:24 (EDT)

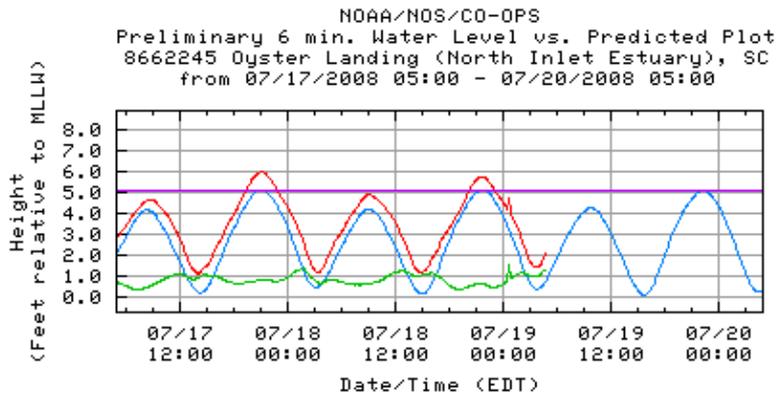
Barometric Pressure: 1014.5 mb

Charleston, SC - Station Map [Return to List](#)



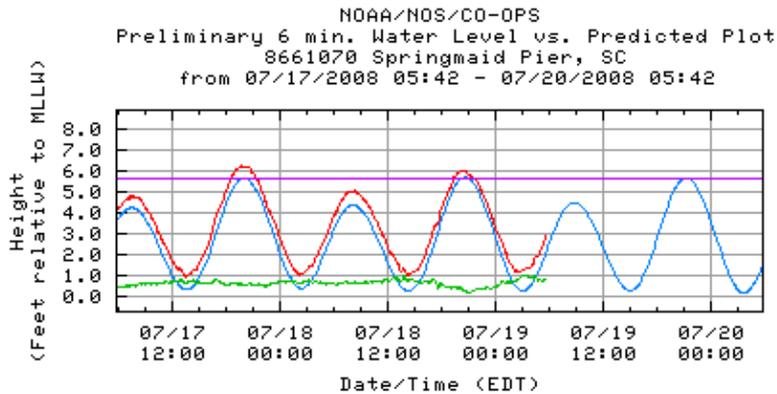
Last Observed Sample: 07/19/2008 05:30 (EDT)
 Relative to **MLLW**: **Observed: 2.47 ft. Predicted: 1.76 ft. Residual: 0.71 ft.**
 Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

Oyster Landing (North Inlet Estuary), SC - Station Map [Return to List](#)



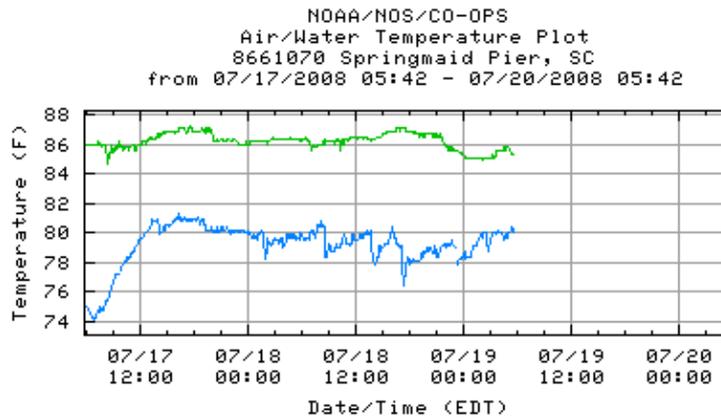
Last Observed Sample: 07/19/2008 04:48 (EDT)
 Relative to **MLLW**: **Observed: 2.07 ft. Predicted: 0.76 ft. Residual: 1.31 ft.**
 Historical Maximum Water Level: 07/22/2001, 2.21 ft. above **MHHW**

Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 05:30 (EDT)
 Relative to **MLLW**: **Observed: 2.91 ft. Predicted: 2.07 ft. Residual: 0.84 ft.**
 Historical Maximum Water Level: 01/01/1987, 3.65 ft. above **MHHW**

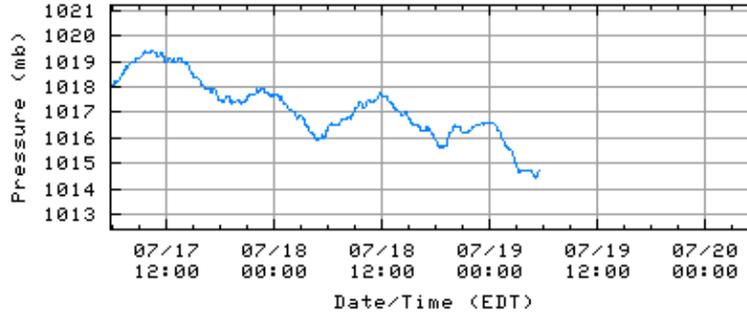
Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 05:30 (EDT)
Water Temperature: 85.3° F Air Temperature: 80.1° F

Springmaid Pier, SC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8661070 Springmaid Pier, SC
 from 07/17/2008 05:42 - 07/20/2008 05:42



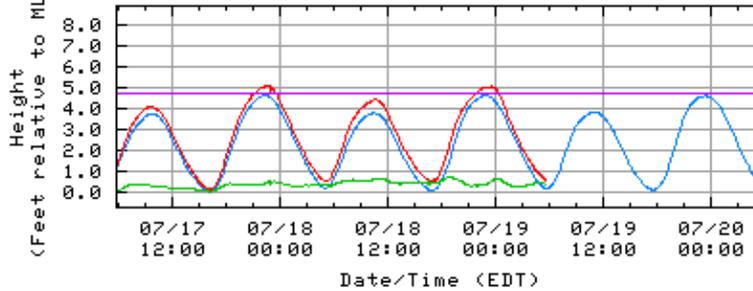
barometric pressure —

Last Observed Sample: 07/19/2008 05:30 (EDT)

Barometric Pressure: 1014.7 mb

Wilmington, NC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8658120 Wilmington, NC
 from 07/17/2008 05:42 - 07/20/2008 05:42



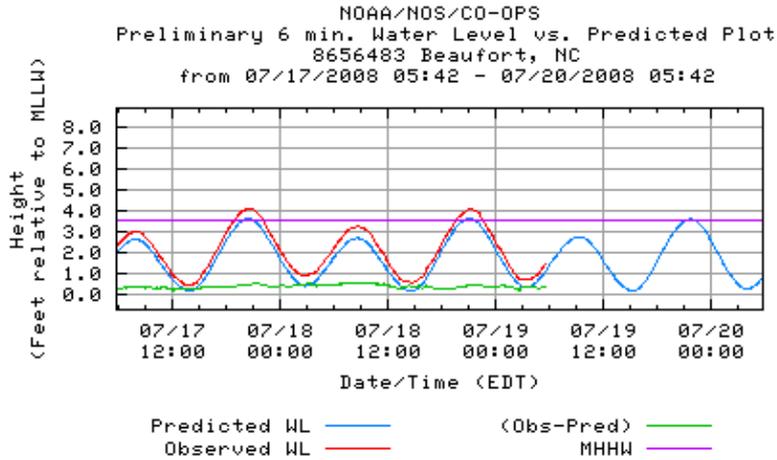
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 07/19/2008 05:30 (EDT)

Relative to **MLLW**: Observed: 0.59 ft. Predicted: 0.20 ft. Residual: 0.39 ft.

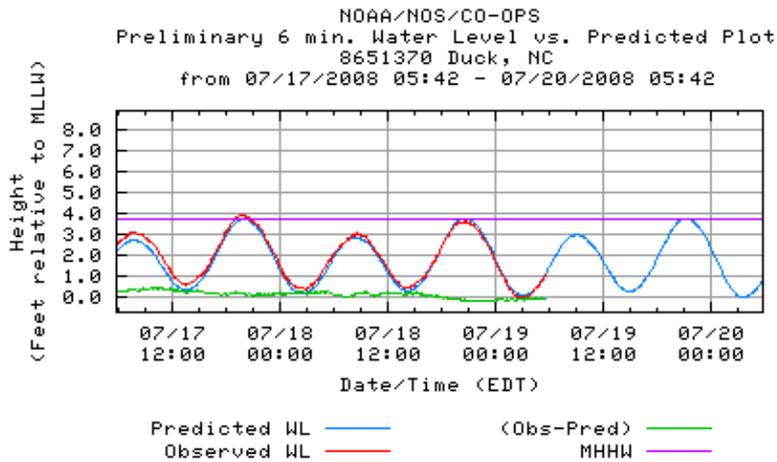
Historical Maximum Water Level: 10/15/1954, 3.47 ft. above **MHHW**

Beaufort, NC - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 05:24 (EDT)
 Relative to **MLLW**: **Observed: 1.45 ft. Predicted: 1.07 ft. Residual: 0.38 ft.**
 Historical Maximum Water Level: 09/16/1999, 2.74 ft. above **MHHW**

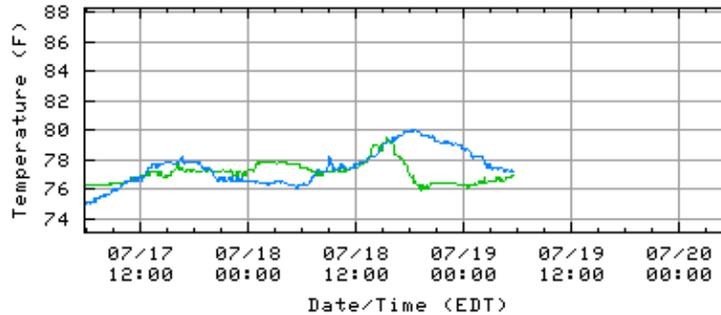
Duck, NC - Station Map [Return to List](#)



Last Observed Sample: 07/19/2008 05:30 (EDT)
 Relative to **MLLW**: **Observed: 1.07 ft. Predicted: 1.11 ft. Residual: -0.04 ft.**
 Historical Maximum Water Level: 08/30/1999, 3.23 ft. above **MHHW**

Duck, NC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8651370 Duck, NC
from 07/17/2008 05:42 - 07/20/2008 05:42



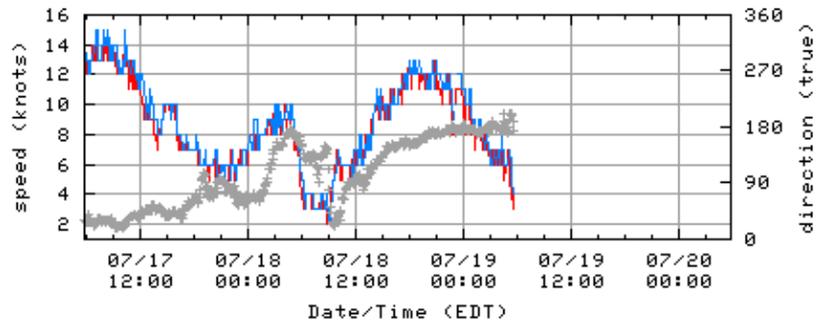
water temp. — air temp. —

Last Observed Sample: 07/19/2008 05:30 (EDT)

Water Temperature: 77.0° F Air Temperature: 77.2° F

Duck, NC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8651370 Duck, NC
from 07/17/2008 05:42 - 07/20/2008 05:42



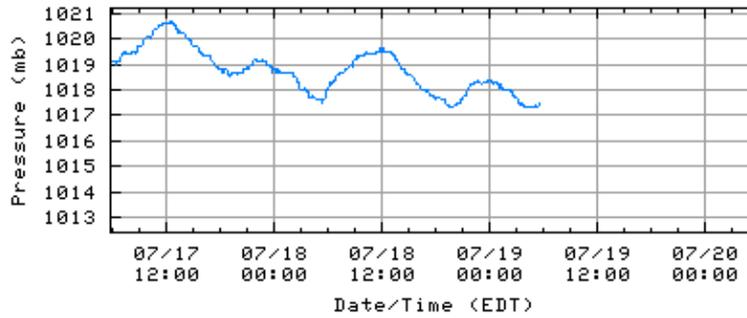
speed — gusts — direction +

Last Observed Sample: 07/19/2008 05:30 (EDT)

Wind Speed: 4 knots Gusts: 4 knots Direction: 173° T

Duck, NC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8651370 Duck, NC
from 07/17/2008 05:42 - 07/20/2008 05:42



barometric pressure —

Last Observed Sample: 07/19/2008 05:30 (EDT)

Barometric Pressure: 1017.5 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce